

WE CLAIM

1. A method of creating thermal functional designs of
textiles and clothing using a computer and visual
5 display monitor controlled by the computer, the method
comprising supplying the computer with information from
databases relating to thermal physiological
characteristics of a human body and thermal
characteristics of chosen textile materials for
10 computational simulation of the information, and
creating visual images for the monitor showing modules
of thermal functional designs.

2. The method according to claim 1, in which the
15 database of the human body comprises human model data
for specific body functions, including size and shape.

3. The method according to claim 1, in which the
20 database of the garments comprises clothing patterns
data and product specification data.

4. The method according to claim 1, in which the
database of the human body comprises thermal property
data, including thermo-physiological and thermal comfort
25 data of human body.

5. The method according to claim 1, in which the
database of the textile materials comprises thermal

property data, including fibres, yarns, fabrics and garments.